

IN THE CLAIMS:

1. (Currently Amended) An electrical connector assembly for a medical device comprising:

an elastomeric element ~~defining~~ forming a first hole to receive a portion of a medical lead; and

a conductive element ~~conforming to~~ having a side wall extending from a proximal end to a distal end, an inner surface of the side wall forming a second hole, the conductive element fixedly positioned about an end of the elastomeric element such that, upon insertion of the medical lead through the hole, the conductive element electrically couples to an electrical contact element of the medical lead so that the second hole is in fluid communication with the first hole;
and

a plurality of contact members extending from a contact member proximal end fixedly positioned along the proximal end of the side wall of the conductive element to a contact member distal end, the plurality of contact members extending inward through the second hole, the contact member distal end extending outward from the distal end of the side wall to be positioned within the first hole so that the contact member distal end is positioned against the elastomeric element upon insertion of the medical lead through the first hole and the second hole.

2. (Currently Amended) The electrical connector assembly of claim 1, wherein the elastomeric element is formed with a seal ring inside the second hole to bias against an inserted lead.

3. (Canceled)

4. (Currently Amended) The electrical connector assembly of ~~claim 3~~ claim 1, wherein ~~distal tips of the tab-like elements are~~ the contact member distal end

is bent toward the elastomeric element such that the ~~tab-like elements~~ plurality of contact members form J-like shapes.

5. (Currently Amended) The electrical connector assembly of claim 1, wherein upon insertion of the medical lead through the first hole and the second hole, the elastomeric element biases the conductive element against the medical lead.

6. (Currently Amended) A connector module for an implantable medical device comprising:

a ~~structure~~ connector block formed with a channel to receive a medical lead, the ~~structure defining~~ connector block forming an access hole to the channel; ~~and~~

an electrical connector assembly positioned in the channel; ~~the electrical connector assembly including~~

an elastomeric element ~~defining~~ forming a first hole to receive a portion of a medical lead; ~~and~~

a conductive element ~~conforming to~~ having a side wall extending from a proximal end to a distal end, an inner surface of the side wall forming a second hole, the conductive element fixedly positioned about an end of the elastomeric element such that upon insertion of the medical lead through the hole, the ~~conductive element electrically couples to an electrical contact element of the medical lead so that the second hole is in fluid communication with the first hole;~~ and

a plurality of contact members extending from a contact member proximal end fixedly positioned along the proximal end of the side wall of the conductive element to a contact member distal end, the plurality of contact members extending inward through the second hole, the contact member distal end extending outward from the distal end of the side wall to be positioned within the first hole so that the contact member distal end is positioned against the

elastomeric element upon insertion of the medical lead through the first hole and the second hole.

7. (Currently Amended) The connector module of claim 6, wherein the elastomeric element is formed with a seal ring inside the second hole to bias against the medical lead following insertion of the medical lead through the hole.

8. (Canceled)

9. (Currently Amended) The connector module of ~~claim 8~~ claim 6, wherein ~~distal tips of the tab-like elements are~~ the contact member distal end bent towards the elastomeric element such that the ~~tab-like elements~~ plurality of contact members form J-like shapes.

10. (Currently Amended) The connector module of claim 6, wherein upon insertion of the medical lead through the first hole and the second hole, the elastomeric element biases the conductive element against the medical lead.

11. (Original) The connector module of claim 6, further comprising:
a plurality of access holes to the channel; and
a plurality of electrical connector assemblies positioned in the channel,
wherein following insertion of the medical lead a plurality of in-line electrical contacts of the medical lead electrically couple respectively to the plurality of electrical connector assemblies.

12. (Canceled)

13. (Currently Amended) An implantable medical device comprising:
a housing;
circuitry within the housing;

a connector module connected to the housing and including a structure formed with a channel and defining an access hole to the channel;
a medical lead in the channel; and
an electrical connector assembly positioned in the channel;~~the electrical connector assembly including~~
an elastomeric element ~~defining~~ forming a first hole to receive a portion of a medical lead;~~and~~
a conductive element ~~conforming to~~ having a side wall extending from a proximal end to a distal end, an inner surface of the side wall forming a second hole, the conductive element fixedly positioned about an end of the elastomeric element such that upon insertion of the medical lead through the hole, the conductive element electrically couples to an electrical contact element of the medical lead so that the second hole is in fluid communication with the first hole;
and
a plurality of contact members extending from a contact member proximal end fixedly positioned along the proximal end of the side wall of the conductive element to a contact member distal end, the plurality of contact members extending inward through the second hole, the contact member distal end extending outward from the distal end of the side wall to be positioned within the first hole so that the contact member distal end is positioned against the elastomeric element upon insertion of the medical lead through the first hole and the second hole.

14. (Currently Amended) The implantable medical device of claim 13, wherein the elastomeric element is formed with a seal ring inside the second hole to bias against the medical lead following insertion of the medical lead through the hole.

15. (Canceled)

16. (Currently Amended) The implantable medical device of ~~claim 15~~ claim 13, wherein ~~distal tips of the tab-like elements are~~ the contact member distal end is bent towards the elastomeric element such that the ~~tab-like elements~~ plurality of contact members form J-like shapes.

17. (Currently Amended) The implantable medical device of claim 13, wherein upon insertion of the medical lead through the first hole and the second hole, the elastomeric element biases the conductive element against the medical lead.

18. (Original) The implantable medical device of claim 13, the connector module further comprising a plurality of access holes to the channel, and a plurality of electrical connector assemblies positioned in the channel, wherein following insertion of the medical lead a plurality of in-line electrical contacts of the medical lead electrically couple respectively to the plurality of electrical connector assemblies.

Claims 19-22. (Canceled)